

# PATENT COOPERATION TREATY

To:

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# PCT

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year) 13 September 2005 (13.09.2005)

Applicant's or agent's file reference  
FP05013

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/KR 2005/000944

International filing date (day/month/year)  
31 March 2005 (31.03.2005)

Priority Date (day/month/year)  
31 March 2004 (31.03.2004)

International Patent Classification (IPC) or both national classification and IPC  
H04L12/56, 29/06, 29/08

Applicant

LG ELECTRONICS INC.

1. This opinion contains indications relating to the following items:

- ☒ Cont. No. I Basis of the opinion
- ☐ Cont. No. II Priority
- ☐ Cont. No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Cont. No. IV Lack of unity of invention
- ☒ Cont. No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Cont. No. VI Certain documents cited
- ☐ Cont. No. VII Certain defects in the international application
- ☐ Cont. No. VIII Certain observations on the international application

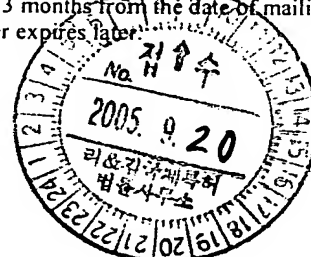
### 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.



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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/KR 2005/000944

Continuation No. I

IAP5 Rec'd PCT/PTO 28 SEP 2006

Basis of the opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed.

Continuation No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims 1-57	YES
	Claims ----	NO
Inventive step (IS)	Claims ----	YES
	Claims 1-57	NO
Industrial applicability (IA)	Claims 1-57	YES
	Claims ----	NO

2. Citations and explanations:

The following documents have been cited in the Search Report:

D1: COMER, Douglas E. Computernetworks and Internets

D2: US 6519223 B1

D1 features the methods of Carrier Sense with Multiple Access (CSMA) and Collision Detect and Backoff (CSMA/CD) in which the network status is checked before the transmission of a packet. Collisions are detected and a mechanism for retransmission and flow control are described.

D2 discloses a telecommunications system and method for implementing a semi-reliable retransmission protocol that utilizes both selective repeat Automatic Repeat Request (ARQ) and segmentation and assembly of data packets. The new semi-reliable retransmission protocol includes a timer based triggering of a retransmission timeout for retransmission protocols, which allows the retransmission timeout to become insensitive to variations in the channel rate. A buffer is emptied when a discard timer elapses.

Accordingly, the subject-matter of the present application is a continuous development of the state of the art with respect to a combination of D1 and D2. Therefore, the subject-matter of the present application does not involve an inventive step.

Industrial applicability is given.